We claim:

1. A piezoelectric bending transducer, comprising:

a supporting element having opposite sides;

a piezoelectrically active layer applied to at least one of said sides of said supporting element; and

an adaptation layer for reducing inherent thermal distortion, said adaptation layer having a predefined volume, said adaptation layer being applied to said piezoelectrically active layer.

2. The piezoelectric bending transducer according to claim 1, wherein said piezoelectrically active layer is applied to both of said sides of said supporting element, and said adaptation layer is applied to one of said sides of said adaptation layer.

3. The piezoelectric bending transducer according to claim 2, wherein said adaptation layer is a screen-printed layer.

4. The piezoelectric bending transducer according to claim 2, wherein said adaptation layer is a plastic suitable for screen printing.

5. The piezoelectric bending transducer according to claim 4, wherein said adaptation layer is an epoxy resin.

6. The piezoelectric bending transducer according to claim 1, wherein said adaptation layer is a screen-printed layer.

7. The piezoelectric bending transducer according to claim 1, wherein said adaptation layer is a plastic suitable for screen printing.

8. The piezoelectric bending transducer according to claim 7, wherein said adaptation layer is an epoxy resin.

9. The piezoelectric bending transducer according to claim 1, wherein said piezoelectrically active layer is a piezoceramic.

10. The piezoelectric bending transducer according to claim 1, comprising: an electrode interposed between said adaptation layer and said piezoelectrically active layer.